

Online 3 Set A

You need to store **W** kg sugar into containers. Luckily you have an unlimited number of containers available from RFL for free. *However, there is a condition that to use a container for free, you have to use it to its full capacity.* There are **n** types of containers there: the **i**-th type can keep **w_i** kg of sugar. What is the minimum number of containers you need to keep the **W** kg sugar such that the containers are given free of charge to you?

- A. Take the list of n types of containers and W as input.
- B. Write a program for the above scenario using a DP algorithm.

Sample Input	Sample output
N w_1, w_2, \dots, w_n W	
5 1 23 25 12 10 46	minimum 2 containers needed. 23 kg 23 kg